

Table S-2 and Table 2-4: Summary of Impacts of Short-Line Alternatives, McNary-John Day Transmission Project

McNary Substation Alternatives			Hanford-John Day Junction Alternatives			Corridor Mile 32 Alternatives		Corridor Mile 35 Alternatives	
Alternative A	Alternative B	Alternative C	Alternative A	Alternative B	Alternative C	Alternative A	Alternative B	Alternative A	Alternative B
Wildlife viewing temporarily obstructed; no impact to soils; some sedimentation to Columbia River and pond habitat; about 0.1 acre of trees in wetland; about 2 acres grassland removed for building relocation; about 2 acres marginal grassland habitat removed; no cultural resource impacts with mitigation; recreationists and travelers would have views of construction; no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	Wildlife viewing temporarily obstructed; no impact to soils; some sedimentation to Columbia River and pond habitat, though less ground disturbance than Alternative A, but closer to river; about 0.2 acre of willows in wetland removed; cottonwood trees and vegetation removed; bird nesting and ground dwelling animal habitat removed, increased risk of avian collisions; no cultural resource impacts with mitigation; recreationists and travelers would views of construction; no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	No recreation impacts anticipated; no impact to soils; slight increased (than Alternative A or Alternative B) sedimentation to Columbia River and pond habitat though ground disturbance and permanent surface of bus work; minor sediments to wetland; about 0.7 acre of grassland removed for bus work; negligible wildlife impacts; no cultural resource impacts with mitigation; recreationists, travelers, and residence would have views of bus work; no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About <del>1.5</del> <u>2.4</u> acres of grazing land <del>permanently</del> disturbed, no impact to soils; no impact to fish/water; invasive <i>Ailanthus</i> sp. trees in wetland may be removed; sedimentation to small wetland; about <del>1.6</del> <u>2.4</u> acres of vegetation <del>permanently</del> impacted; negligible wildlife impacts; no cultural resource impacts with mitigation; views of line from highway and residence (less than Alternative B or C); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About <del>1.5</del> <u>3.6</u> acres of grazing land <del>permanently</del> disturbed, residence may need to be removed; no impact to soils; no impact to fish/water; trees in wetland may be removed, sedimentation to small wetland; about <del>1.3</del> <u>6</u> acres of vegetation <del>permanently</del> impacted, <del>10</del> <u>12</u> invasive <i>Ailanthus</i> sp. trees removed; loss of trees reduce bird nesting habitat; <del>no cultural resource impacts with mitigation; Fuhrman Ranch is eligible for listing in the National Register and would be impacted with the construction of Alternative B;</del> views of line from highway and residence (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise and corona noise; no specific health and safety impacts	About <del>1.5</del> <u>6.8</u> acres of grazing land <del>permanently</del> disturbed, residence may need to be removed; no impact to soils; no impact to fish/water; invasive <i>Ailanthus</i> sp. trees in wetland may be removed; sedimentation and potential fill in small wetland; about <del>1.6</del> <u>6.8</u> acres of vegetation <del>permanently</del> impacted, <del>10</del> <u>12</u> invasive ailanthus sp. trees removed; loss of trees reduce bird nesting habitat; <del>no cultural resource impacts with mitigation; Fuhrman Ranch is eligible for listing in the National Register and would be impacted with the construction of Alternative C;</del> views of line from highway and residence (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise and corona noise; no specific health and safety impacts	About 0.8 acre of cropland removed from production; no impact to soils; no impact to fish/water; no wetland impacts; about <del>4</del> <u>0.8</u> acre <del>grazed shrub-steppe impacted; minor impacts to grazed shrub-steppe designated Priority Habitat by WDFW</del> agricultural land removed; no cultural resource impacts with mitigation; travelers on highway and agricultural workers would view line (less than Alternative B); agreement between tribes and Bonneville needed to cross tribal; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About <del>0.6</del> <u>1.0</u> acre of cropland <del>permanently impacted; removed from production;</del> no impact to soils; no impact to fish/water; no wetland impacts; about <del>5.5</del> <u>1.0</u> acres <del>grazed shrub-steppe impacted; about 1 acre of marginal</del> agricultural habitat removed; no cultural resource impacts with mitigation; travelers on highway and agricultural workers would view line (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About 0.8 acre of <del>cropland</del> <u>grazing land</u> <del>permanently impacted; removed from production;</del> no impact to soils; slight sedimentation to Columbia River (less than Alternative B); no wetland impacts; <del>no vegetation impacts</del> <u>0.8 acre of grazed shrub-steppe removed;</u> minor impact to heavily grazed shrub-steppe habitat; no cultural resource impacts with mitigation; travelers on highway and agricultural workers would view line (less than Alternative B); agreement between tribes and Bonneville needed to cross tribal; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts	About <del>0.6</del> <u>1.0</u> acre of <del>cropland</del> <u>grazing land</u> <del>permanently impacted;</del> no impact to soils; slight sedimentation to Columbia River (more than Alternative A); no wetland impacts; about <del>5.5</del> <u>1.0</u> acres grazed shrub-steppe <del>permanently</del> impacted; minor impact to heavily grazed shrub-steppe habitat (more than Alternative A); <del>no cultural resource impacts with mitigation; a potentially eligible archaeological site (12.04-WA-02) would be impacted with construction of Alternative B;</del> travelers on highway and agricultural workers would view line (more than Alternative A); no impact to socioeconomics; negligible transportation impacts during construction; minimal air quality impacts during construction/operation; construction noise; no specific health and safety impacts